



CLASSIFIEDS

Ads may be placed through the Daily, Room B03, Student Union Building, 9 a.m. to 3 p.m. Deadline is 2:00 p.m. two weekdays prior to publication.

**McGILL
NIGHTLINE
392-8234**

MCAT-LSAT GMAT-DAT

Preparation courses

in

Montreal
(514) 287-1896

Toronto
(416) 967-4733

**STANLEY H. KAPLAN
EDUCATIONAL CENTER**

McGill students: \$2.50 per day; for 3 consecutive days, \$2.00 per day; more than 3 days, \$1.75 per day. McGill faculty and staff: \$3.50 per day. All others: \$4.00 per day. *Exact change only, please.*

The Daily assumes no financial responsibility for errors, or damage due to errors. Ad will re-appear free of charge upon request if information is incorrect due to our error. The Daily reserves the right not to print a classified ad.

341 — APTS., ROOMS, HOUSING

December 1st. Sublet 1-1/2 - large livingroom; small balcony with pleasant view. Five minute walk to university and hospital. Heating included. \$250/month. 3622 Durocher (near Prince Arthur).

Roommate wanted to share large 7-1/2 with 2. Washer, dryer, \$175/month. 25 min. from McGill by Vendome Metro. Call 488-4304.

Roommate wanted to share a house in Pointe St. Charles. good location for shops and transport. \$250 per month, heat included. Phone 933-6658.

Dishwasher, washer, dryer and 2 roommates are looking for a third roommate to share

bright large apt. on Hutchison. Phone Mark/Phil after 5. 279-9306.

Roommate wanted to share spacious, bright, recently renovated upper floor of house with two law students. Excellent transportation. \$175/month plus 1/3 utilities. 489-3197.

343 — MOVERS

All local moves done quickly and carefully by student with large closed truck. Fully equipped, reasonable rates. Call Stéphane, 288-8005.

352 — HELP WANTED

Couple infertile cherche mère porteuse. Frais légaux et indemnisation payés. S'adresser à Mme. S. Williamson; Gravenor Keenan; avocats; 2001 rue University suite 1150, Mt. P.Q. H3A 2N2 tel. 288-3838 confidentialité assurée.

354 — TYPING SERVICES

Theses, reports, resumes, etc. 16 years experience in both languages. Rapid service. \$1.50/double spaced. IBM. (2-minute walk from McGill). Mrs. Paulette Vigneault, 288-9638.

Typing. Professional Punctual and Reliable — All student and faculty papers in English, French, Spanish — on IBM-Selectric III — 2 blocks from campus — 849-9708 before 8 pm (try weekends too)

Word Processing Service: Especially well suited to long documents such as theses, books, reports, etc. Letter quality printout. Downtown area. Reasonable rates. 934-1455.

Professional Format Minor editorial changes, if required. Error-proof. Proof reading. Cases, term papers, theses, etc. B. Comm. background. Across McGill. IBM

Selectric. 340-9470.

Bilingual experienced, fast, accurate, typist requires work at home. Financial statements, resumes, correspondence, legal documents, thesis, etc. Own electric typewriter. Excellent references. Reasonable. 738-2419.

PROFESSIONAL TYPING. Theses, term papers, curriculum vitae etc. Experienced. EBM Selectric II. \$1.00 per page, \$1.25 for tables etc. 631-3222.

Professional format. Minor editing and proof-reading included. Error-free cases, term papers, theses, C.V.s etc. B. Comm background. Across from McGill. One-day service. 340-9470.

TYPING. \$1.50 PER PAGE. LOCATION HAMPSTEAD. Best situated for residents of Hampstead, Snowdon, Cote St. Luc, C.D.N. From downtown: Metro Snowdon, 51 Bus. Call 488-3172.

356 — SERVICES OFFERED

90% Don't know how. Learn to utilize the vast, untapped areas of your mind, through hypnosis. Improve your memory and grades. Call Dr. N. Schiff 935-7755.

CALLIGRAPHY - hand lettering for certificates, invitations, envelopes, flyers, poems, letterheads, ads, etc. Please call 932-6228.

Typewriter repair (\$20+/hour). Service contract (\$60+/year) on IBM, Sel I, II, III; Other models. For more info call Dan 845-4892, eve. weekends.

French/Spanish, tutoring/conversation classes. Good rate. Please call 5-9 pm 286-0014

ACE MATH. Tutoring by McGill Honours graduate. \$15 per hour. Call George at 849-6677.

361 — ARTICLES FOR SALE

Goalie pants, cooper, CGPI, blue, size large, in excellent condition, only used 1 season. Asking \$45.00. Call 481-8830.

Large bar fridge for sale \$75. 937-3437.

APPLES! We're buying and selling used Apple or Apple compatible computers, disk drives, printers, joysticks... Anything you have or need. Evenings or weekends. 682-2913; 687-1905.

Prue Rains' "Deviance Readings," Brand new copy. Must sell, dropped course. Please call Marlene at 747-6936.

Posters and Prints for sale! Wide selection. All posters mounted. 1/2 retail price. Call for a look through our catalogue. Amy: 487-2897; Jon: 489-4511

EXCELLENT YAMAHA pignose-type amp: like new \$100. "Les Paul" copy electric guitar: good condition \$80. Hagstrom electric bass: reasonable shape \$70. Call daytime: 844-5314.

Hurry, have custom-made placemats and tablecloths at unbelievable prices, great gifts for any occasion, limited supply so hurry, Remember 488-1801, Steve.

FOR SALE: JVC ghetto-blasters. Almost new. \$200. Cash only. 288-2632. Adrienne.

Vrale Aubanel YAMAHA 750 Special 1978. Moteur reconstruit par "Moto Precision" 1800 miles, pneus neufs, Bell Star II, sac pour moto et plus! Besoin d'argent comptant maintenant seulement \$1500. En tout temps 457-9243.

363 — TO GIVE AWAY

For free! White, fluffy cat. Cute, lovable and playful. Declawed and neutered. Call after 8:00 pm. 849-9800

365 — WANTED TO BUY

Would Buy Immediately. Analytical Chemistry 3rd Ed. by G.D. Christian. 288-8796.

372 — LOST & FOUND

LOST BROWN WALLET on Monday Oct. 1st. REWARD. If have any information call YANNICK GRENIER 738-4582.

LOST — Burgundy wallet on Oct. 1st at 6pm near Geri's or Redpath Lib. Please call Todd at 937-0443 or leave message at 483-4519.

374 — PERSONAL

URGENT! Michael McKirman contact Barbara soon for job at cafeteria at 392-4450 after 11am. Or Francisco 392-4450 or 849-3380 friend cafeteria B.M.H.

HEI OG HAAI Norskstalekvinne student (X-folketingskole elev) som savner norgens jael. Vil gjerne dele samtaler om kunst/kultur

politik og alt multi-grant kanbyttelorengelsk timer. Ringomkveld Annie 845-8303. Sjaas!

383 — LESSONS OFFERED

Flute Lessons / Cours de flûte traversière (Theory — Rhythm), beginners or advanced. Call Allan LaForest 388-5164 between 5 and 8 pm

COINCI Dance Dance Studio Opening special. Free classes Oct. 1-14. Ballet, Ballet-Jazz & Dancercise. 1435 Bleury N°303. Tel.: 288-3706

385 — NOTICES

Anglicans at McGill. Students, faculty, staff. Weekly Eucharist and light lunch. Noon Thursday. Christ Church Cathedral Chapel. University and St. Catherine. Roger Balk Chaplain, 392-6742.

McGill Women, HEJIRA wants your poetry, short prose (typed), photographs, drawings (bl/wh) for hoards of subscribers! Submit your art to us. Deadline is closer than you think. Bring to Students' Society, Union Building.

Wanted: Many ardent partyers to enjoy themselves at Douglas Hall on Sat. Oct. 6. Anyone seriously interested meet at 8:00pm. All invited M.U.R.F.C.

DROP-IN with Chris Ferguson, Presbyterian/United Church Chaplain. Mondays 10am-12 noon. OPEN DOOR policy for informal conversation, and/or counselling. Chaplaincy Service, 3484 Peel, 392-5890.

SUNDAY WORSHIP at 10:30am, St. Martha's-in-the-Basement, 3521 University. All welcome; brunch follows. Chris Ferguson for more information - 392-5890.

FREE LECTURE: Learn how to utilize vast untapped areas of your mind; develop a super memory. Oct. 15, 8:15pm. Call for reservation and address. Dr. N. Schiff. 935-7755.

387 — VOLUNTEERS

Wanted: volunteers to participate in a research study in the field of positron emission tomography. Monetary compensation. For more information, call 284-4588.

Montreal Neurological Institute. It's not too late for you to join our volunteer programme. If you are interested in donating 2-3 hours of your time per week, please phone John (288-0463) or Regina (845-4546) today.

389 — MUSICIANS WANTED

Top 40 dance band requires female vocalist, keyboards an asset. Call evenings. Andy 489-6216, Bruce 631-9528, James 688-8388.

McGill-based dance band (Ethnic Drivers) seeking "hot" bassist (male or female) with dancing ability for immediate shows and recording. Phone: Vince 286-1328; Anand 935-9338.

Drummer with experience wanted for McGill-based new music dance band: Police, Bowie, Holly, etc. Call Leif 482-3207.

EDITORIAL

by Heather Peniuk

Students interested in writing for the next Sciencedition should have their articles submitted by October 24th, 1984. The Sciencedition welcomes articles, artwork, and photographs. Submissions may be on any topic but should have at least some vague connection with science. Students who wish to be assigned a particular topic should contact me as soon as possible. An appreciative and sincere thanks is extended to Georgie Zarkadas, Jerome Fragan, Tania Luhde, Sandra Eber, Sayed Jovkar, Anna Asimakopulos, Rosanne Krusner, Adam Quastel, Jason Creaghan, Albert Nerenberg, Robert Costain, and Amy Kaler for all their help on this issue.



3895 Hotel de Ville 22
(coin Napoleon)
open 7 days a week

SPECIALS

order 5 small pizzas
pay only for 4
order 12 souvlakis
pay for 10

Vegetarian Pizza & Hawaiian Pizza

Pizza - Spaghetti - Lasagne - Ravioli - Greek Souvlaki
with Pita - Bar-B-Q - Hot Chicken - Chicken sandwich
- Greek pastries (Baklava)

BRING YOUR OWN WINE
288-4832 285-0038

FREE DELIVERY

**copies
mcgill**

908 Sherbrooke St. West (facing McGill University)

CHECK OUT THESE EXTRAS

- No charge for collating
- No charge for 3-hole punch
- Watch for our monthly specials
- Each purchase entitles you to enter our monthly draw for a brand new 12" B & W television.

COPIES FROM BOOKS

WE DO IT	YOU DO IT
8-1/2 X 11	8-1/2 X 11 5¢
8-1/2 X 14 7¢	8-1/2 X 14 6¢

OPEN MON-FRI (8:30am-6pm) SAT (10am-4pm)

844-5910

1985 COMMERCE GRADUATES

Representatives of our firm are looking forward to meeting you on Wednesday, October 24th and Thursday, October 25, 1984

Canada Employment Centre deadline for filing applications is Tuesday, October 9, 1984

Richter, Usher & Vineberg

CHARTERED ACCOUNTANTS • COMPTABLES AGRÉÉS

1 WESTMOUNT SQUARE MONTREAL, QUÉBEC H3Z 2Z9

MONTREAL • TORONTO

ERRATUM

La publicité de Mallette, Benoit, Boulanger, Rondeau & Associés parue dans l'Édition Française du mercredi, 3 octobre 1984, concernant la Campagne de Recrutement 1984-85 aurait dû se lire comme suit: "Rappel aux Finissants du Bac en commerce" et non "Rappel aux Finissants du Bal en Commerce" La direction du McGill Daily s'excuse de cette erreur.

B • B ELECTROLYSIS + PLUS

Unwanted Hair & Skin Problem?

Realistic Prices, with Results
Graduate Experienced
Electrologists Kree
New York and Montreal
Plus Professional Esthetician
Skin Care, Facials,
Manicures, Pedicures, Body
and leg waxing
Call 849-0181

1414 Drummond St., Suite 316

ESTETICA



STUDENT SPECIAL

wash, cut and blow dry
\$20 for women, \$15 for men
Full time students only

For appointment, call:

849-9231

2195 Crescent, Montreal

McGill sinks to Oceanography

by Howard Browman

McGill's Institute of Oceanography (IOM) is the only center for both arctic and tropical oceanographic research among Canadian Universities. Yet, when I first arrived at McGill I was unaware of its existence, and I was registered in the Marine Biology option of a Biology major's program! It was not until my second year that I was exposed to the IOM, through undergraduate courses taught at the Eaton building

arctic oceanography. The Institute was established to provide a focal point for marine scientific interests at McGill and allowed graduate degrees in oceanography to be offered for the first time. By the 1970's it had become clear that, just as at other universities, McGill's ocean studies suffered from fragmentation and isolation of academic disciplines and narrow-focusing research teams. The science of oceanography emerged as the roles and

five years. Presently, there are 18 M.Sc. and 10 Ph.D candidates representing a multinational group of students from Canada, the United States, France, Greece, Australia and Barbados.

Research by the staff and students of the Institute is being conducted through a geographic corridor which extends from the Canadian Arctic through North temperate environments in Canada and the U.S., to the Caribbean Sea. Specific locations include Baffin Island, Hudson and James Bay, the Gulf and estuary of the St. Lawrence River, Bay of Fundy, Narragansett Bay (Rhode Island), Bermuda, Jamaica and Barbados. Research in Barbados is carried out at McGill's permanent research station there- The Bellairs Research Institute.

Topics under study include: biological and physical aspects of sea-ice interactions; under-ice entrainment and mixing processes; estuarine fronts (sharp boundaries between different water masses) and upwellings; sedimentological and geochemical processes including the impact of hydroelectric developments on estuarine sedimentation and sedimentary geochemistry; coastal water mass circulation off Newfoundland; biological repercussions of long and short term climatic change in the arctic; arctic ecosystem theory; coupling of benthic (bottom) and pelagic (open water) biological production; perceptual and cognitive aspects of feeding in larval fishes; mariculture of marine plants and animals; coral reef biology and ecology; systematics and biology of sponges and other vertebrates; life history strategies in crustaceans.

Financial support for these projects has more than doubled over the past five years. Funding has come from Canadian, Federal and Provincial governments, the National Oceanic and Atmospheric Administration of the United States and from private corporations and foundations including the World Wildlife Fund, Petro Canada, the Royal Bank of Canada, Gulf Resources, Dome Petroleum, Hydro Quebec, and

the James Bay Energy Corporation. The relative contribution of the University itself to the Institute's annual operating budget has fallen in the past five years to less than 30 percent of the total. Meanwhile, the productivity of the Institute's staff per capita, measured in numbers of



students, courses taught, or journal publications, has more than doubled to a total which exceeds that of all other Canadian institutes of oceanography.

In the spring of 1983, IOM underwent cyclic review- a process of external and self-examination and evaluation which all University departments must go through every five years. The results and recommendations of the review committee pointed out that McGill's Institute of Oceanography, though highly successful and productive on a per capita basis, requires more support from the University to keep pace with the requirements of the rapidly advancing sphere of oceanographic research. It was recommended that the University replace immediately retiring faculty members and add, over the next few years, a chemical oceanographer, a specialist in air-sea interactions, and a fisheries biologist- as well as additional technical and secretarial support. Hopefully, the IOM will receive the support it needs to continue its outstanding research.

Daily graphic by Jerome Fragan



(found opposite the Rutherford Physics building), the Institute's current home on campus. Four years later I am a graduate student in Oceanography and people remain unaware of its existence.

The History of Oceanographic Interest at McGill

In 1852, Pierre Fortin, a graduate of McGill medicine, was appointed fisheries inspector, medical missionary, and general investigator in the Gulf of St. Lawrence. Aboard the Coast Guard schooners Alliance and La Canadienne, he studied the fisheries of the Gulf and enforced the Fisheries Act.

In the 1870's, Sir William Dawson, Principal of McGill and President of the Natural History Society of Montreal, initiated dredging expeditions and studies of the oyster and lobster resources in the Gulf of St. Lawrence.

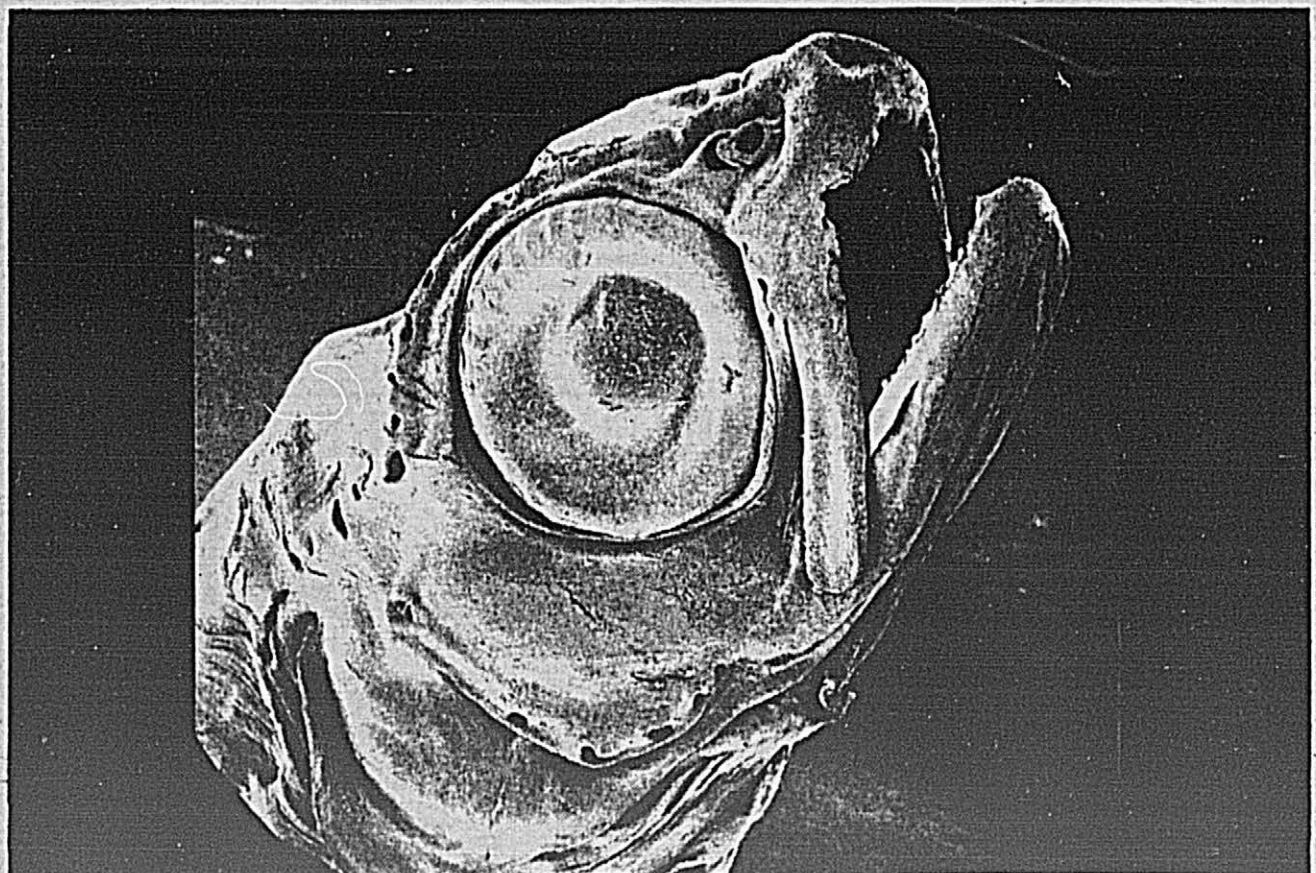
During the period 1897-1925, McGill professors were involved in the establishment of Canada's first fisheries and oceanographic stations in New Brunswick and British Columbia as well as the Fisheries Research Board of Canada. McGill scientists also participated in the first Canadian arctic expeditions, studied sea-ice and icebergs, and proposed the feasibility of year-round shipping in the St. Lawrence River and methods for reducing ice cover in winter. By the 1920's, women had already made important contributions to McGill oceanography-including studies of plankton ecology in the Strait of Belle Isle and the bacteriology of canned fish.

The Modern Era of Oceanography at McGill

The Institute of Oceanography at McGill began in 1963 as the Marine Sciences Center, under the directorship of Dr. M.J. Dunbar, a world leader in

interactions of oceanography's constituent disciplines (physics, geology, chemistry, meteorology, biology) were reconceptualized. For example, no longer were biologists studying organisms in the sea, rather Biological Oceanographers were using the tools of biology to contribute to the understanding of the ocean as a whole.

IOM's two principal functions are research and graduate education. Several undergraduate courses are available and enrollment in these courses has quadrupled over the past



Scientifically educating children

by Carlomaria Polvani

In the history of Science, Medieval, Renaissance, or Modern, clichéd scenes of the philosopher-scientist working intensely on a mathematical or chemical formula are pictured in books. As hacked as these images are, they raise an important question of how the emphasis of education has changed.

Until the rapid growth of technology of the past twenty years, more time and attention



was given to the study of Classics and philosophy in high schools. However, as students become more and more focused in their pursuit of scientific knowledge, studies in areas that deal with larger questions such as ethics in scientific applications are left aside.

Not only should this change be acknowledged, but should also be questioned. Has this change been a beneficial one? Should we educate our children differently?

The goal of education is to endow the student with the tools which will allow her/him to understand and deal with the problems she or he will come

across during her/his life. The question we may now ask is: what kind of problems do science and philosophy concern themselves with? Furthermore, how are these problems resolved by both science and philosophy? Science is concerned with immediate problems and immediate answers in contrast to philosophy which questions distant or abstract problems, looking for abstract answers and principles or final truths.

Scientists and philosophers do not study the same parts of reality, nor is their research conducted in a similar manner.

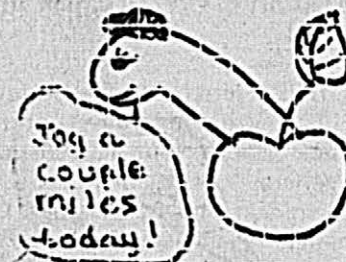
Scientists observe nature. From the observations, they

build and then prove theories. Like Galileo Galilei said, "science is nothing but reading from the Great Book of Nature". Philosophers may build theories through more introspective analyses.

Hence, basing education only on scientific values, is implying that science could bring an answer to all the problems we will encounter in life.

This unfortunately isn't true. There are subjects to which science could not possibly provide answers. Such subjects as aesthetics, ethics, or principles by which science should be applied are beyond the realm of scientific inquiry.

To recognize that philosophy has an important role to play in scientific education is to recognize that questions of how to ethically apply the scientific advances that have been made are waiting to be answered. If they were answered it could give back to society at least some of the principles that unfortunately have been forgotten more than once in this century.



Terrace Elgin Restaurant Grocery

Free Delivery 12am-8pm

Special Breakfast

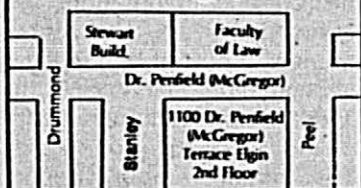
Plus Everyday Special

WE specialize in Souvlaki (Pita)

OPEN from 7h30am to 10h00pm

TEL.: 849-6411

1100 Dr. Penfield (McGregor)



EDITORIO



Student Special

ALL YEAR

Wash cut & blow dry

\$12

PERMANENT \$25

2075 University

Coiffure 843-7180

Esthetique 842-0892

NORTHEASTERN UNIVERSITY BOSTON, MASSACHUSETTS U. S. A.

Invites individuals interested in pursuing studies in the United States to an informational presentation and reception to be held: Wednesday October 10 1984, Bonaventure Hotel, 7:30 p.m.

The Dean of International Affairs, Joy Viola, will explain Northeastern's graduate programs in arts and sciences, pharmacy and allied health professions, criminal justice, computer science, business, accounting, law, and human development professions.

Northeastern University, the largest private university in the United States, is accredited by the New England Association of Schools and Colleges, Inc.



WHAT'S HAPPENING AT HILLEL 3460 STANLEY ST. TEL: 845-9171

Thursday, Oct 4th

"careers" Ives
Bellefeuille;
Federal Public
Service
Commission
"Job Opportunities
and Government"
at 4:00 pm

Friday, Oct 5th

Yom Kippur
Services
Kol Nidre
6:00 pm

Saturday, Oct 6th

Yom Kippur
Services at 9:00 am
and
Afternoon services
at 4:45 pm

Sunday, Oct 7th

Two NFB
Academy Award
winning films:
"If You Love This
Planet" by Terri
Nash
and
"Neighbor" by
Norman McLaren
at 7:00 pm
Cost: Free

Tuesday, Oct 9th

Repeat screening of two NFB
Award winning films: "If You
Love This Planet," by Terri
Nash and "Neighbor" by
Norman McLaren at 2:30 pm.
Cost: Free and
"Discuss Series" National
Unity Government: Can it
Bring Stability to Israel? at
7:00 pm



EVENTS

THURSDAY

Military research — there will be a demonstration today at 14h00 in front of the Administration Building, to protest military research on campus. Your presence will make the crucial difference.

McGill Outing Club — Sign up for Thanksgiving weekend trips at office (Union 411). First come, first served.

Women and the Law presents "Loved, Honoured and Bruised," today at 12h00 in room 202 of the Law Faculty. All welcome.

Gays and Lesbians of McGill — Women's Day today in Union 417.

Simultaneous chess exhibition — Expert Alan Roy (rated 2000) and the McGill Chess Association will hold a simultaneous chess exhibition today in the Union cafeteria. Participants are welcome, bring your own pieces (boards will be supplied.)

The birth control co-op of the Women's Union is now open, Monday through Friday 12h00 to 15h00. Supplies are for sale and information is available.

Bible study for students of all denominations, led by Chris Ferguson. 16h00 today at Chaplaincy Services, 3484 Peel. For info, 392-5890.

Free films at Café Commun Commune on Images of Women in Society — "Just a Minute" and "Killing Us Softly." 201 Milton. For info, call 842-3344.

Final Auditions today for improvisational soap opera "Campus". In Arts B51. No acting experience necessary.

The Observer is meeting today at 16h00 in Arts 305. Anyone interested in submitting their work or working on the paper is invited to attend.

Workers League Young Socialists present "The 1984 Elections and the Struggle for Workers Power." Featured speaker Ed Winn, Socialist candidate for the U. S. presidency. Union 310 at noon.

Zwingli the Reformer — the film will be shown today at 13h00, Presbyterian College, 3495 University.

Daily Publications Society Board of Directors Marion needs a copy of your schedules today so meetings can be planned.

Department of Philosophy presents Dr. Julian Marias of the Royal Spanish Academy: Problems of Spanish Philosophy. Leacock 927, 15h00. Humanist McGill invites your participation in a new social and political movement which addresses your needs as students. Come and tell us your needs, let's see what we can do together. Leacock 420, 12h30-13h30.

Islamic Society of McGill Friday prayer at 13h15 in Union B09, and coffee hour at 14h00 to introduce the members and welcome our newly arrived students.

FRIDAY

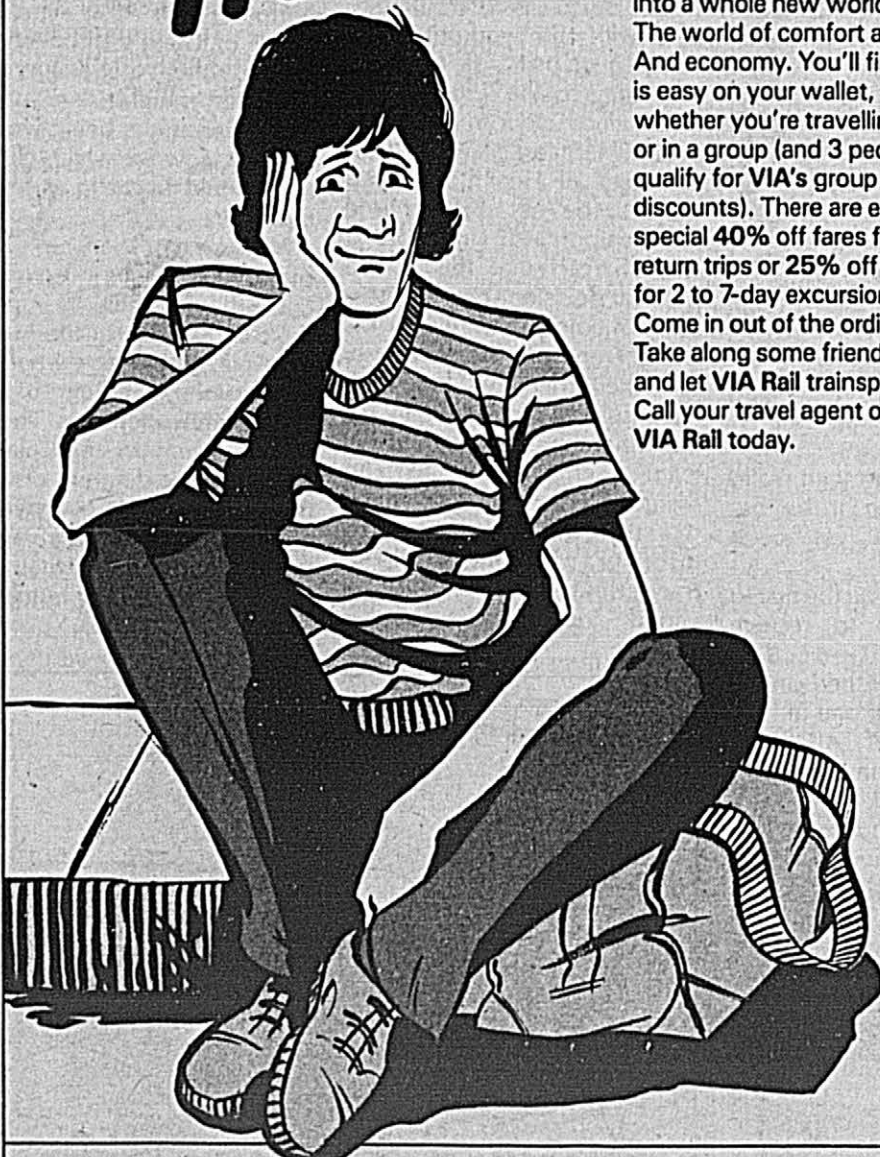
McGill Wind Symphony conducted by Robert Gibson with Ellis Wean, tuba and a trombone trio, 20h00 Pollack Hall.

SATURDAY

The Fourth Stream jazz music at Café Commun Commun, 20h00.

Join the Daily. Join the Daily. Join the Daily. Join the Daily. Join the Daily. Join the Daily. Join the Daily. Join the Daily. Join the Daily. Join the Daily.

YOU COULD HAVE BEEN TRAINSPORTED



Next time you're thinking of taking a little trip, let VIA Rail transport you into a whole new world of travel fun. The world of comfort and relaxation. And economy. You'll find VIA Rail is easy on your wallet, whether you're travelling alone or in a group (and 3 people together qualify for VIA's group fare discounts). There are even special 40% off fares for same-day return trips or 25% off fares for 2 to 7-day excursions. Come in out of the ordinary. Take along some friends, and let VIA Rail transport you. Call your travel agent or VIA Rail today.



AT THE NEW CHEAP THRILLS
2044 METCALFE.
BETWEEN SHERBROOKE AND
DE MAISONNEUVE.

WHERE DID YOU BUY
THAT NIFTY NEW
ALBUM?

THEY HAVE AN AMAZING
SELECTION OF NEW IMPORTED
ALBUMS AT INCREDIBLY
LOW PRICES PLUS USED
RECORDS AND BOOKS



CHEAP THRILLS 1433 BISHOP TEL. 844-7804 since 1971
NEW 2nd store 2044 METCALFE TEL. 844-8988
we will buy your books & records pool

Au Bon Croissant

Your Café next door

896 Sherbrooke W (Facing McGill)

844-8621

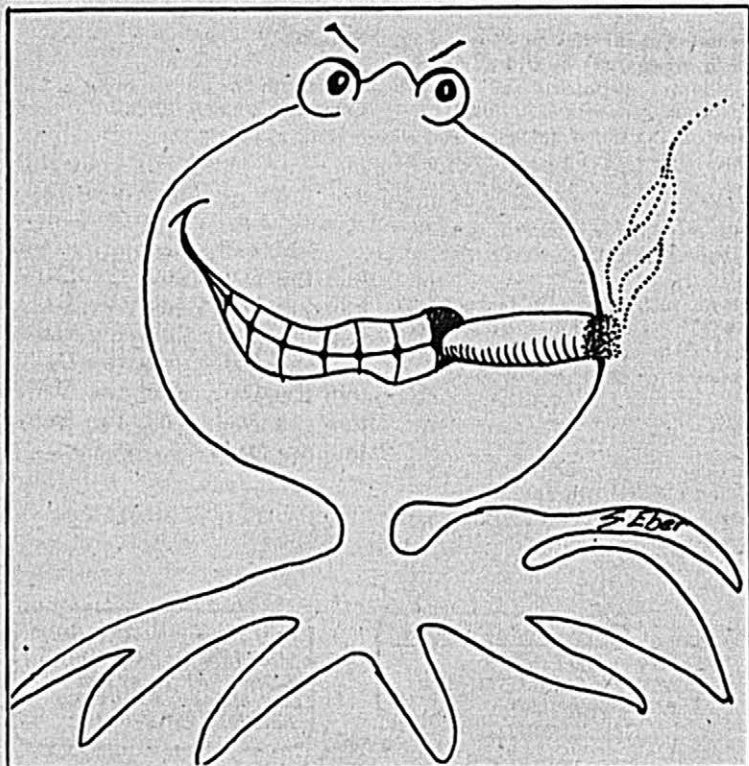
**BREAKFAST
FOR
\$1 — COFFEE &
CROISSANT**

TAKE OUT SERVICE

Delicatessen-Paté & Cheeses

Fresh Bread Baked Daily

Clip Coupon
for
I FREE COFFEE



Mr. H.T.L. Virus III

In late April 1984, Dr. Robert Gallo of the U.S. National Cancer Institute announced in front of 30 TV cameras and more than 100 reporters that he had discovered and isolated the virus that causes Acquired Immune Deficiency Syndrome. AIDS is a disease that has been in the public eye since it was first diagnosed over three years ago: it is a killer of mainly homosexual men, and the number of its victims has been growing exponentially.

Gallo initially gained public recognition in the late 1970's when he discovered the first human cancer virus, which he called human T-cell leukemia virus, HTLV. In a May 1983 edition of *Science*, he first made the connection between AIDS and the now renamed HTLV I. Only a year later, in May 1984, he presented the evidence for his discovery of the particular virus that causes AIDS, which he named HTLV III, human T-cell lymphotropic retrovirus. HTLV III is a member of the HTLV family, but with different proteins and viral nucleic acids, and a different effect on the cells it has infected: Basically, HTLV I and II cause leukemia, and HTLV III AIDS, although it is not yet understood where and how the distinction is made.

A retrovirus is an organism which contains its genetic material, ribonucleic acid, within a protein coat. In order to reproduce itself, it must make use of other cells' replication mechanisms. In this particular case, the HTLV III appears to destroy "helper" T cells, a subgroup of T lymphocytes. T cells normally attach to foreign bodies - antigens - on the surface of infected cells, and then kill them by releasing toxins or attracting other cells to do the job. Their function is to regulate the normal immune response. Since the HTLV III attacks the T cells, the host body's immune

responses are unable to function as they are supposed to, which leaves it vulnerable to infections and diseases. The rare form of cancer, Kaposi's sarcoma, and other illnesses frequently identified with AIDS are thus secondary manifestations, and not the primary disease. The complications kill most AIDS victims.

In May 1983, Gallo and Dr. Max Essex of Harvard reported isolating HTLV viruses or their genetic material, or finding a much higher incidence of HTLV antibodies - used to attach lymphocytes, "killer cells", to foreign materials in the body - in some of the AIDS patients they studied. This discovery was supported in the same journal by research under Dr. Luc Montagnier at the prestigious Pasteur Institute in Paris.

The biggest problem in isolating HTLV III once HTLV was identified was that the cells, once they were infected, all died before they could be examined. In July 1983, Dr. Mikulas Popovic at the NCI identified and then cloned cells, derived from human lymphoid leukemia cells, that continued to grow after being infected with the as yet unidentified virus. The researchers were finally able to study the

The Virus

virus in mass quantities. Once they had identified HTLV III, their findings in patients were conclusive: HTLV III was isolated from approximately 85% of "pre-AIDS" lymphadenopathy syndrome patients - only 10% will develop the full range of AIDS symptoms - and about 35% of patients with AIDS. This low

figure may be due to samples used that were too deteriorated to be of any value or because the amount of T cells was already so depleted as to make detection and analysis nearly impossible. In the same study, one apparently healthy individual in whom HTLV III was detected subsequently developed AIDS. In two independent studies, antibodies to HTLV III were detected in 90 to 100% of AIDS patients tested.

Once Gallo published his findings in the May issue of *Science*, the French scientists scrambled to publish their preliminary results. They had named the virus they isolated LAV, lymphadenopathy associated virus. They had already reported on LAV in May 1983 in *Science* and in April 1984 in *Lancet*. They had determined that LAV's genetic material is also RNA, and it appears to affect "helper" T cells as does HTLV III. The French researchers are presently work-



Dr. Robert Gallo

ing in collaboration with Gallo to compare the two viruses, but no results have yet been published.

Why this race to be the first to publish, the first to receive public recognition? *The Medical Post* published an interview with Gallo, one of "the latest victims of AIDS - (a) scientist involved in the race". Gallo, "shaken and depressed", hounded by the press for interviews, talked about how even before his results were published, people were attempting to discredit him. Many accused him of trying to rob the French researchers of their due credit.

Was this only the all-too-familiar "publish or perish" disease that afflicts most scientists, who are required to produce results - or at least papers - in order to attract and receive continued funding? The answer should be obvious, and was mentioned in the very article in *McLean's* that described

Gallo's most recent triumph: it is widely assumed that the contention between the French and American researchers is not for the usual glory, but a Nobel Prize.

The Nobel Prize in Medicine and Physiology is to be given to those who have made the most significant discovery that benefits "all mankind". The feeling in many circles is that

AIDS

the money and time put into AIDS research should have gone into a disease - and there are many - that kill as many people a week as AIDS has over three years - approximately 1750 out of 4000 cases by May 1984.

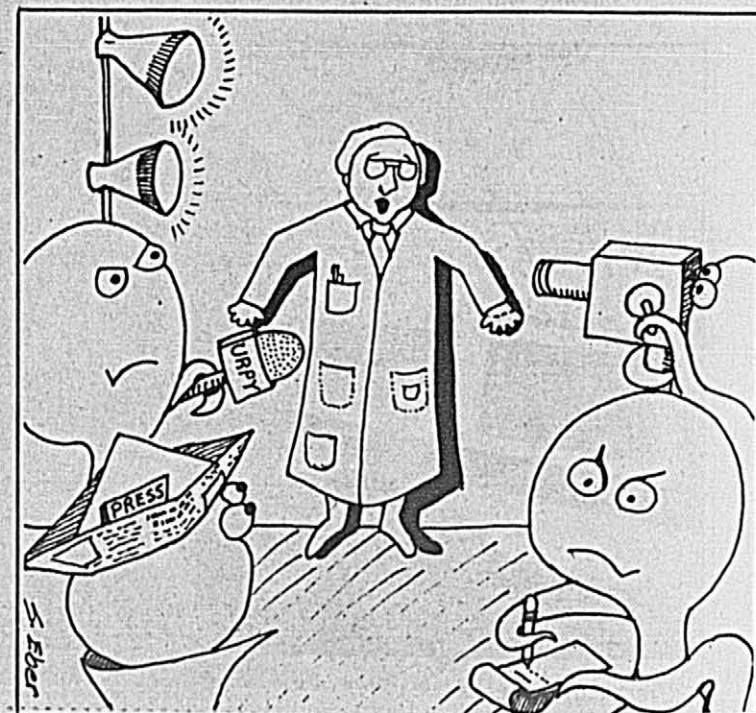
The actual mortality rate in the various groups affected is between 40 and 70%. The largest group of victims consists of homosexual or bisexual men, followed by intravenous drug abusers, Haitians, and a small number of individuals with hemophilia A. Lately, AIDS has been documented among prisoners, Central African immigrants to Europe, female sexual partners of persons with the syndrome, and children of high risk mothers, according to the 1984 edition of *Scientific American Medicine*. When Margaret Heckler, U.S. Secretary of Health, declared AIDS to be her number one priority upon assuming office, it was charged that this was a political decision, not one based on medical priorities.

The French so far have only published the news that they have isolated a virus. Gallo, on the other hand, explained his team's achievements to *The Medical Post*: "I could have presented an electron micrograph and reverse transcriptase activity of a variant long ago...A test is

(now) available for blood banks...The method is available to isolate this virus routinely." Although the blood test is not yet available commercially, there is definitely a need for it. There are 4 million blood transfusions in the United States annually; by May 1984, 46 people who were not members of any group at risk had contacted AIDS through blood transfusions.

Unfortunately, those currently afflicted by AIDS will derive little or no benefit from Gallo's discovery. Many others, however, stand to gain from it: As already mentioned, the number of AIDS victims is growing exponentially, as is that of people with pre-AIDS. Hopefully, a test can be developed to determine who in the latter group will be in the 10% who will develop AIDS. Since early detection of HTLV III in high risk individuals is now a distinct possibility, it may be possible to treat the immune deficiency before it attracts lethal complications. In addition, in the high risk groups, there are probably carriers of HTLV III who have no symptoms; after being identified as such, preventive treatment to stop them from passing on the disease or developing symptoms themselves might be attempted. The most significant result of Gallo's discovery for the public, especially individuals in high risk groups, is that a vaccine is being worked on right now for which clinical trials could begin in as few as two years.

AIDS research on both sides of the Atlantic has given researchers the possibility to improve their knowledge of the human immune system as a whole, as their understanding of the HTLV family increases. The immune system in turn plays a part in many different diseases that affect people everywhere. Thus Gallo and Montagnier have done work that will ultimately benefit all humanity.



A cerebral celebration

by Sayed Jovkar

"In 1897 Charles Sherrington, a master physiologist of the nervous system, coined the term 'synapse' to mean connections between nerve cells. We have borrowed Sherrington's elegant term for our 50th birthday, which we expect to be an intellectual as well as spiritual 'joining together,'" said Dr. William Feindel, the former director of the Montreal Neurological Institute (MNI).

Last week marked the 50th anniversary of the MNI. An outstanding array of neurologists, neurosurgeons, and

tists in France, England, and the United States. This on-line system allowed visual as well as verbal communication between Feindel and the scientists abroad. In the future Tele-Neuro could allow scientists to exchange findings instantly without having to wait for published results or having to travel long distances to conferences.

The 'Neuro' - the culmination of Wilder Penfield's dream to advance the study and treatment of the brain by drawing together the disciplines of neurosurgery, neuropathology, and related basic sciences with traditional

the Neuro being the first Canadian medical centre to install both a Computerized Axial Tomography (CAT) head scanner and a CAT whole-body scanner. But Feindel may be best remembered for his contributions to the development of PET.

PET scanners are a close relative of CAT scanners. But whereas CAT produces cross-sectional pictures of the **structure** of the brain, PET can be used to study **metabolic function** in a quantitative and non-invasive way. From a cross-sectional picture of the brain produced by CAT one can delineate struc-

ture but one cannot even infer if the patient is dead or alive. "It is assumed that abnormalities in physiology precede abnormalities in structure, and will give insights into pathogenesis. By PET the distribution of radiopharmaceuticals is accurately reconstructed on a cross-sectional picture of the brain," explained Dr. David Khul of UCLA at a lecture held on the occasion of the 50th anniversary of the MNI.

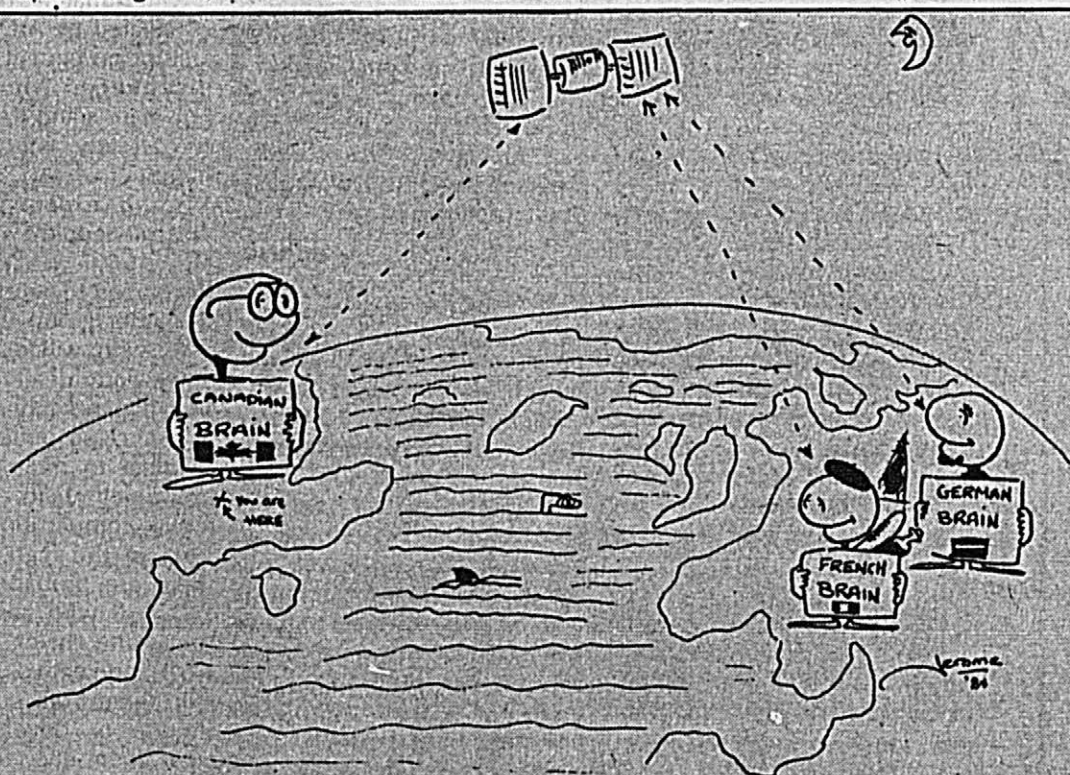
The most exciting aspect of PET is its extraordinary potential for metabolic studies of major neurological problems such as stroke, epilepsy, brain tumors, dementia, and other metabolic abnormalities of the cerebrum.

PET provides remarkable information on the activity of the brain such as local cerebral values of blood flow, blood volume, oxygen and glucose utilization. Moreover, "with PET a great variety of cerebral functions can be studied, such as the mechanisms of going to sleep, waking up, memory, complex motor function, and speech function. For example with PET we have localized the 'supplemental motor area' of the brain which may be looked upon as the computer site for programming complex motor activities," explains Dr. Lucas Yamamoto, distinguished scientist and pioneer in the field of the PET.

PET makes possible not only the study of abnormal states but also the study of the healthy brain. "PET seems to have the prospect in mapping neurotransmitter binding sites believed to be responsible in intellectual and emotional mechanisms," foresees Yamamoto.

Closely related to the clinical treatment and teaching activities within the

Daily graphic by Jerome Fragman



neuroscientists came to present lectures. The festivities began with the opening of the Webster Pavillion located north of the institute and next to Molson Stadium.

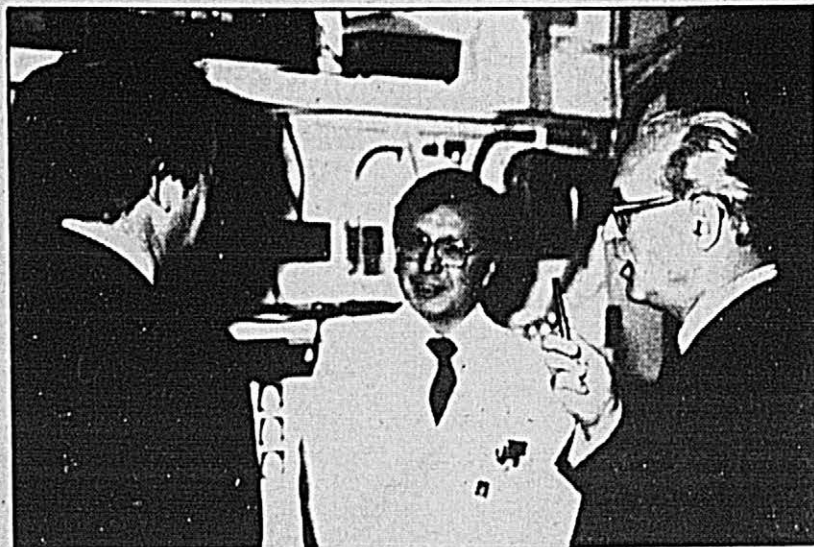
This annex will contain advanced neurodiagnostic imaging units including Quebec's first and most powerful magnetic resonance scanner. Moreover, this pavillion will expand research and clinical space for the Positron Emission Tomography (PET) scanner. This brain imaging complex will also provide space for a small museum and a pilot system - "Tele-Neuro" - that will use satellite and electronics communication systems.

The "Tele-Neuro" was first demonstrated at the 50th anniversary celebration of the MNI before an audience of over 1000 when Feindel communicated by satellite with neuroscien-

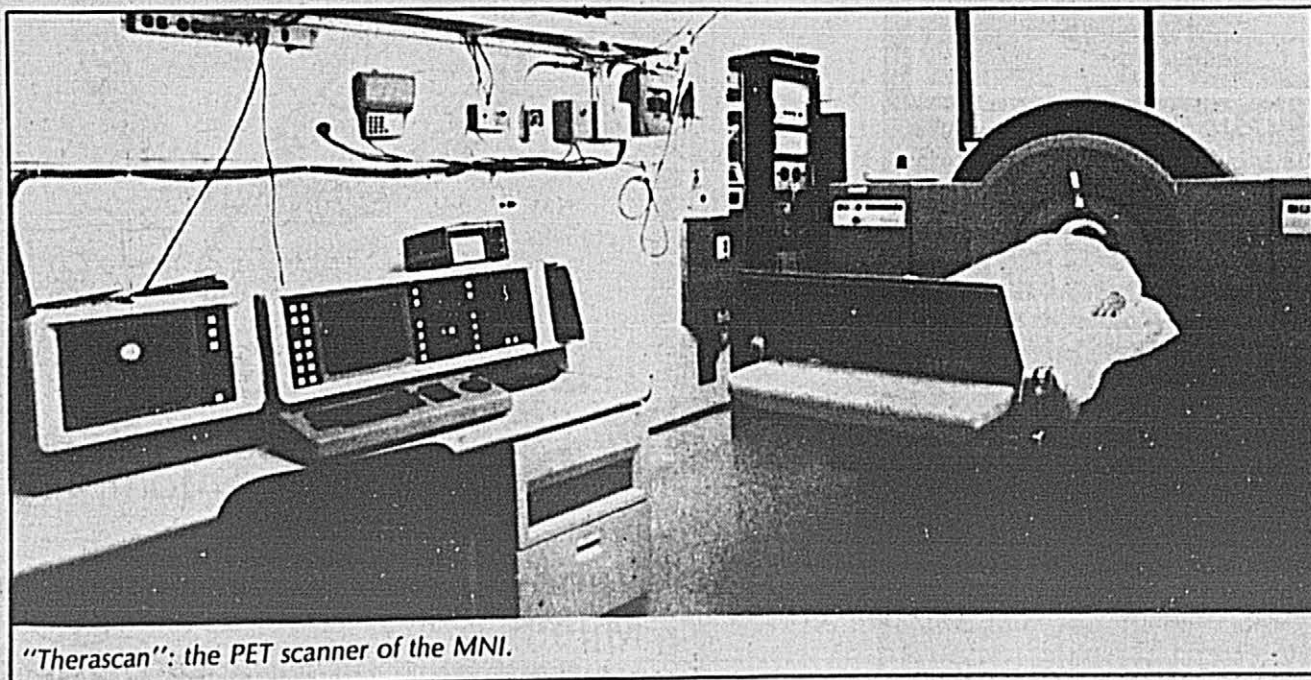
neurology - is recognized worldwide for its contributions to neurosciences. It is the world's most active centre for research, training and surgical treatment related to epilepsy, regularly treating patients from as far afield as Italy, Venezuela, and Singapore. Moreover, the MNI is at the forefront of the current revolution in the study of the human brain, epitomized by Positron Emission Tomography (PET).

"The collaborative teams of scientists and clinicians working together in neuromuscular research, in PET, and soon in NMR are examples of the work for which the MNI is ideally suited," remarked Feindel, a Rhodes Scholar, and director of the MNI for 12 years whose remarkable medical achievements won him the Order of Canada last year.

Feindel's charisma is responsible for



From left to right: Governor General Ed Schreyer, Lucas Yamamoto, and William Feindel.



"Therascan": the PET scanner of the MNI.

Neuro is the work carried out in more than twenty-five individual units. Penfield directed scientific and surgical teams toward the solution of complex questions of the workings of the brain but perhaps his legacy for the future lies in what he referred to as, "this continuing fabulous enterprise." He was of course alluding to the institute he founded.



mini-Supplement

De votre côté! VOYAGES CUTS
The travel company of CFS

AUSTRALIA
SPECIAL STUDENT FARES
Depart from: MONTREAL, TORONTO
EDMONTON, VANCOUVER
Also Available...
SPECIAL ADVENTURE TOURS
Contact your local TRAVEL CUTS office for details

VOYAGES CUTS MONTREAL 3480 rue McTavish
Université McGill 514 849-9201
Licensed in Québec

Let us tickle your funny bone

Hemingway
Comedy Cabaret

Featuring Dan McGovern

Yuk Yuk's T.O.

M.C. Ernie Butler

Shows: Sunday 8:30 & 10:30 p.m.

Monday & Tuesday 9:00 p.m.

SS Admission includes
(Happy Hour Prices)

Top
Acts Every
Week!

FOR RESERVATIONS **845-1813** (AFTER 4:00 P.M.)
1476A Crescent St. (Corner De Maisonneuve)

Reid sloses through lecture

by Robert Strazds

If Kate Reid has sobered up and recovered her balance and presence of mind by the time she reads this, she must be regretting that she ever came to McGill. Certainly the audience in the FDA auditorium on Monday night felt a keen disappointment.

The hall began to fill a half hour before the lecture — the Consolidated Bathurst Lecture Series (of which Ms. Reid was a part) have been popular since they were initiated three years ago. At six o'clock, Kate Reid was led to the stage and received a warm round of applause, as befits one of Canada's best actresses. This was the highlight of the evening.

Ms. Reid opened by relating a garbled story about an actor smashing up his hand during a performance of the Broadway play, *Linda*, in which she is cur-

rently co-starring with Dustin Hoffman. We were meant to be moved by the "wonderful spirit" of the acting company, what with Dustin phoning a hand doctor, and another actor fetching a wet Kleenex... This anecdote was supposed to convey Ms. Reid's notions of what theatre was all about.

Her next gaffe was to read an excerpt from a Dorothy Parker story. Much gesticulation and moaning accompanied the punchline: "Oh God, why doesn't he call?" Her final recitation was taken, I am told, from Shakespeare's *The Taming of the Shrew*. For this coup de grace, she enlisted the aid of a "gentleman" from the audience, whom she seated onstage. Evidently she required a prop to aid not her memory but her balance. The poor man had his hair, arm, chest, face, and run-

ing shoe caressed while Ms. Reid adjusted her glasses and recited, on and on.

And then she was ready for questions. But it really didn't matter; she announced she was "ready to go home!", a sentiment shared by the now restless audience. One woman reminded Ms. Reid of the original theme of her talk, which was to have been, "Acting: Pro and Con"; but since Ms. Reid maintained a consistent distance from the microphone, her answer was lost, as was the evening.

Ms. Reid got paid a few thousand dollars to make a fool of herself and her audience. I doubt Nadine Gordimer will get drunk the night of her reading (October 15th). If she does, it is to be hoped that some friendly, firm person from Consolidated Bathurst will have learned from this costly mistake, and refrain her.

WINNER

INTERNATIONAL CRITICS' AWARD
FESTIVAL OF FESTIVALS



In the middle of the night,
when there's no one else...

Choose Me

a serious comedy



A NORSTAR RELEASE ★

Genevieve
Bujold

Keith
Carradine

Lesley Ann
Warren

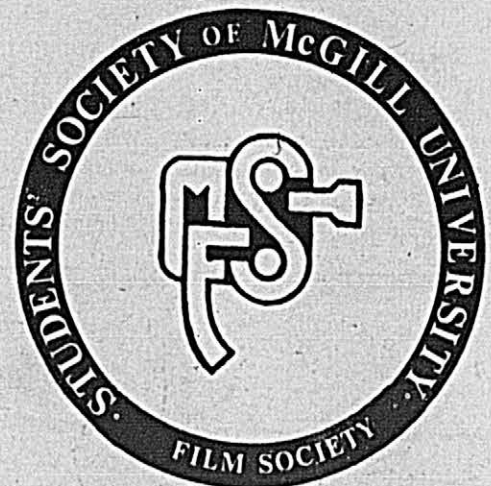
FEATURING THE HIT ALBUM "LOVE LANGUAGE"
BY TEDDY PENDERGRASS

STARTS TOMORROW!

YORK

1487 ST-CATHERINE W-937-8978 GUY

Don't miss the McGill Film Society's weekend shows.
This Friday, Oct. 5, at 6:15 and 8:30 THE LIFE OF BRIAN with John Cleese, Michael Palin, Terry Gilliam, and Terry Jones



This Saturday, Oct. 6, at 6:15 and 8:30 BLOW-UP directed by Michelangelo Antonioni, with David Hemmings, Vanessa Redgrave, and Sarah Miles

Fat's audio-visual barrage

by Colin McClelland

This was a show that would have been easy for the narrow-minded to walk out of. One has to be willing to surrender one's senses to a naked rudiment. **Fat** is where sensual experimentation meets media dabbings on a barren plain. It is what you make of it.

Fat is an unusual multi-media experience set to unorthodox improvisational music. Last Friday and Saturday, **Fat** presented a show of slide, sound, and film consisting of 13 compositions performed in cooperation with other musicians and visual artists.

This combination was extremely volatile. I had never encountered all three in such a raw

format. One had to be quick to perceive both the activity on several screens and the musicians, without becoming lost in the complexity of the event.

Fat consists of three principle members on drums, bass, and guitar, along with a periphery of cellists and projectionists. Their sound is a frenzied quasi-musical combination of the fringe elements of Brian Eno and King Crimson, with twinges of Laurie Anderson and Bauhaus. The overall effect parallels a Ford assembly line gone AWOL.

But **Fat** has to be taken for what they are: full throttle improvisation, where the usual attitudes toward music no longer apply. Your conception of the music is an integral part of the

impact it makes on the senses. This brand of music involves the audience, forcing them to be free of musical stereotypes and to let their minds wander.

The films and slides could have added to this personal experience, but they often appeared insignificant, given the overwhelming qualities of the music. Nonetheless, some of the films would have done Andy Warhol proud.

Links between visuals and sound sometimes occur spon-

taneously. This works to break the tedium of the music's intense angularity and provides a one with a concrete image as a basis for the free play of associations.

The projectors are often manually manipulated to produce interesting results. Slides are used to provide a static background, within which a film's dynamism can be displayed. Some films, however, are as stagnant as the slides because of their use of repetitive images.

Techniques are interesting in themselves. A transistor radio placed next to the pick-ups of the guitar, hubcap percussion, paper scrunching, shaking a large piece of plastic, and tape loops are all used innovatively.

On the whole, the music is minimalist, and there is only so much that can be achieved. The musical range which is lost is replaced, however, by the band's energy and the audience's personal perceptions.

listingslisti

Eraserhead: David Lynch's 1977 film has been described as "a helluva critique of industrialized society". It is definitely not for the faint of heart, but is worth a look.

Tonight, 21h30, at the Seville, 2155 Ste. Catherine St., W. Admission: \$2.99. For information call 932-1139.

The Year of Living Dangerously: A competent, yet unadventurous 1983 romantic comedy set in the middle of political conflict in Indonesia. Linda Hunt earned a well-deserved Oscar for her role in this film.

Sunday, October 7, 21h30, at the Seville.

listingslistings

Moscow Does Not Believe in Tears: A Soviet made film which, in the pre-Reagan era (1980), won the Oscar for best foreign film. The film presents a look at the "everyday" lives of "average" Muscovites.

Wednesday, October 10, 21h00, at the Seville.

The Thirty-Nine Steps: The classic, original 1935 Alfred Hitchcock film about a Canadian who accidentally becomes entangled in a spy ring. Definitely worth seeing if only for the perverse genius of Hitchcock's direction.

Saturday, October 6, 19h15, and Tuesday, October 9, 21h45, at Cinema V, 5560 Sherbrooke St. W. For information call 489-5559.

The Maltese Falcon: Another classic film which regularly makes the rounds in repertory. John Huston's directorial debut film stars (as if you didn't know) Humphrey Bogart as Sam Spade, with Peter Lorre in a supporting role.

Wednesday, October 10, 19h15, at Cinema V.

MUSIC:

Joe & Antoinette McKenna: A combination of pipes, whistle, harp, and voice make up this duo which performs traditional Irish music. Not just for "folkies".

Tonight only, 20h00, in Dawson Hall of the St. James United Church, 1435 City Councilors. Tickets available at Argo bookstore and Centre d'Importations Celtiques. Call 271-9059.

Secret Act: A "young, fast, energetic" band with no pretensions. This is a band whose style is comparable to that of Gang of Four with a extra dose of energy. Tonight, tomorrow and Saturday at Le Steppe, 5175 Park Ave.

Top Ranking: This good, energetic reggae-ska band is resurrecting itself for two shows at Les Foufounes Electriques this weekend. Reports say this band is great.

Saturday and Sunday, October 6 and 7, 21h00, at Les Foufounes Electriques, 97 Ste. Catherine St. E. Admission is \$2.50.

THEATRE:

Theatre McShmeatre: Heard the rumour that all ideas are dead? One isn't. McDonald's mcnugetized mcphilosophy of McLife mcclives at McTheatreSports! The History of North America will be served up in hard-to-digest improvizations. The theme for this Sunday is the "Thankstaking Day Feast". We have so much to be greedy for. Sunday, October 7, 20h00 at Le Steppe. Call 845-2940.

Club Soda: The opportunities for a new band to play a popular, bigger venue are rare. But for the next few weeks Club Soda will be hosting a showcase for new bands every Monday continued on page 11

L'Amical



STUDENT SPECIAL
wash, cut and blow dry
\$18 for women, \$14 for men
For appointment, call:
844-6177
Perm \$40 (All included)
Sept. 27- Oct. 6

3565 LORNE
(One block east (Between Milton of University) & Prince Arthur)

WOMEN - FAITH FREEDOM

4 TUESDAY NOON HOUR LECTURES TO WIDEN YOUR HORIZONS

sponsored by McGill Chaplaincy Service* 392-5890
and held at "WOMANSPACE", Diocesan College
3473 University

Oct 9

12-1 pm

Oct 16

12-1 pm

Oct 23

12-1 pm

Oct 30

12-1 pm

"Art as Worship"

ELISE MAXHELEAU

"The Pilgrimage and the Dream"

MAUREEN KABWE

"Spirituality and Poverty"

FAYE WAKELING

The Spiritual Exercises of Saint Ignatius

KRISTINE GRAUNKE

A student bites a teacher.
The school psychologist goes berserk.
The substitute teacher is a certified lunatic.
And students graduate who can't read or write.

It's Monday morning at JFK High.



TEACHERS

United Artists Presents
An AARON RUSSO Production
An ARTHUR HILLER Film

Starring NICK NOLTE · JOBETH WILLIAMS · JUDD HIRSCH

RALPH MACCHIO "TEACHERS" ALLEN GARFIELD

With LEE GRANT and RICHARD MULLIGAN Written by W. R. MCKINNEY

Production Designed by RICHARD MACDONALD Director of Photography DAVID M. WALSH

Executive Producer IRWIN RUSSO Produced by AARON RUSSO Directed by ARTHUR HILLER

SOUNDTRACK AVAILABLE ON 12" RECORDS AND CASSETTES

Featuring original music by

ZZ TOP · BOB SEGER · JOE COCKER · NIGHT RANGER · J.B. SPECIAL · THE MOTELS

FREDDIE MERCURY · IAN HUNTER · ROMAN HOLLIDAY · ERIC MARTIN & FRIENDS

STARTS TOMORROW!

LOEWS 1



DORVAL 1

KENT 1

954 ST. CATHERINE W. 861-7437, PEEL

260 DORVAL AVE. 631-8586

6100 SHERBROOKE W. 489-9703

Poly - what?

by Annette Walker

A brief glimpse at the 'meanings' of a couple of scientific terms around the McGill campus...

Here are the real meanings:

Polyunsaturated
-hydrocarbon containing one or more double bonds.

Enzyme
-proteins which catalyze chemical reactions in biological systems.

Now here are a few student distortions:

(a) Polyunsaturated- 'a dehydrated parrot!'

(b) Enzyme- 'a cleaner of some form- ie Tide.'

-Tina Kauffman U3 English

(a) Polyunsaturated- 'Umm... doesn't have a lot of fat in it?'

(b) Enzyme- 'an enzyme?? Something to do with... it breaks down... oh dear, it breaks down things in your body, basically.'

-Dorothy Taylor U3 English

(a) Polyunsaturated- 'a hydrocarbon with double chains.'

(b) Enzyme- 'is a protein; it is also a catalyst. (This girl knows her stuff!)

-Pat Seniow U2 Arts

(a) Polyunsaturated- 'as in fats. OK, what do I know about them- not much... all I know is they have something to do with coconut oil.'

(b) Enzyme- 'molecules or something produced by the body. I don't know!'

-Karen U2 Poli Sci

(a) Polysaturated- 'lots of double bonds increasing its fluidity, something like margarine. Free nursing advice- if you want to stay healthy, stay away from saturated fats!'

(b) Enzyme- 'of course I know this- I passed Bio 200 & 201 (after 2 attempts!). That would take pages and pages... Shore's section on enzymes helped

speed up the failure rate of Bio 200!'

-Liz MacDougall U2 Nursing

(a) Polyunsaturated- 'sugar additives in the food. I'm not sure about it... something to do with food.'

(b) Enzyme- 'something for digestion. Considered to be powerful... in people's stomachs.'

-Albert Nerenberg U3 (I guess) Poli Sci



Daily graphic by Jerome Fragman



Ploughshares comment

by Stephen Duckworth and Daron Westman

McGill University ranks among the top five universities in Canada accepting military research contracts. By accepting these contracts, and by actively participating in military research, your university is playing a key role in the arms race.

Military research has been proceeding at McGill for some time. Most recently in the McGill Daily of October 1, 1984, it was revealed that two McGill professors have a contract with the Department of National Defence to help develop technology which can be used to produce fuel-air explosive (FAE) devices, which can seep into buildings, fox holes and lungs before being detonated. The Stockholm International Peace Research Institute has classified FAE weapons as "inhumane and indiscriminate weapons."

Both professors involved in the research project at McGill refuse to accept responsibility for the social implications of their work. They consider themselves "pure scientists", and therefore not responsible for the military applications of their discoveries.

Who, then, does take responsibility for the kinds of research

carried out at McGill?

McGill University research policy guidelines are so vague as to amount to, in most cases, a rubber-stamp approval of military projects. These guidelines state that "individual investigators must to a large extent assume direct responsibility for the intellectual and ethical quality of their work. A serious social responsibility thus rests on the individual members of the community who have the special knowledge to be aware of the consequences of research activity, and the possibility that research will be applied towards unacceptable ends, such as the acceleration of the arms race must be balanced against potential benefits." Most disturbingly, some McGill professors don't seem to give a damn.

Even conscientious researchers are faced with several problems when making an ethical evaluation of proposed research. A researcher may not be fully aware of the military applications of her work, and the Department of National Defence can't be counted on to enlighten her. The government can and does turn down requests for more detailed information about implications of

continued on page 12

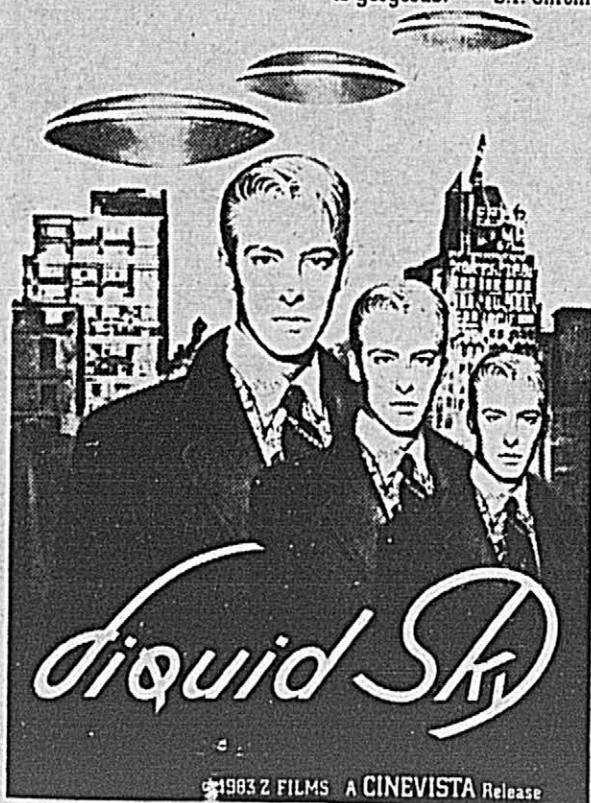
"THE FUNNIEST, CRAZIEST, DIRTIEST, MOST PERVERSELY BEAUTIFUL SCIENCE-FICTION MOVIE EVER MADE!" —David Denby, N.Y. Magazine

"GENUINELY STARTLING! VISUALLY BRIGHT AND ARRESTING. The right audiences are bound to appreciate the originality displayed here, not to mention the color, rage, nonchalance, sly humor, and ferocious fashion sense." —Janel Maslin, N.Y. Times

"AN ENTIRELY ORIGINAL PITCH-DARK COMEDY-FANTASY. Rarely, if ever, has Manhattan been viewed so intensely as an island of enchantment and despair."

—L.A. Times

"DAZZLING, SHOCKING, FUNNY, AND DISTURBING. Innovative and imaginative... magical sight and sound. The look of the film is gorgeous!" —S.F. Chronicle



SHOWING NIGHTLY AT CINEMA V
5560 Sherbrooke W.
489-5559

All contents copyright © 1984 by the Daily Publications Society. All rights reserved. The opinions expressed in the pages of this newspaper do not necessarily reflect the views of McGill University. Products of companies advertised in this newspaper are not necessarily endorsed by the Daily staff. Printed at L'Imprimerie Dumont, 9130 Bessie, Lasalle, Quebec.

co-editors in chief: Karen Bastow, Albert Nerenberg
senior news editor: Lelia Mathews-Rao
news editors: Amy Kaler
to be elected: Melinda Watnick
to be elected: Richard Latendresse
redacteur-en-chef de l'édition française: Jay Calkman
photo editor: Heather Perich
science editor: Brian Walter
production assistants last night: Ayashah Kothawala, Anna Asimakopulos

Adam Quastel
Rosanne Krusner
Jason Creaghan

Editorial Offices: 3480 McTavish, room B-01, Montreal, Quebec, H3A 1X9, telephone: (514) 392-8955. Business Manager: Marian Arnold, telephone: (514) 392-8904. Advertising: Brian Sheppard, telephone: (514) 392-8902. Daily Typing: Shop Manager: Colin Tomlin, room B-01, telephone: (514) 392-8919. Typing and Assembly Staff: Chris Cavanagh, Ellen Lavery, Julianne Piddock, and Michel Adrien Sheppard. (Jocelyn Gaudin: Barney the seal.)

The Daily is a founding member of Canadian University Press (CUP), La Presse Française du Québec (PFCQ), and Campus Plus (CUP Media services).

Project Ploughshares comment

continued from page 10
research, or provide only partial information.

McGill University's current research guidelines are based

on the assumption that scientists have a higher moral sense than the general public — an assumption which is all too often unfounded.

Researchers cannot help but be influenced by government control of the limited amount of funds available for research: "The power of the federal purse is pushing more of that research in directions that are determined by the federal agencies, and there are fewer opportunities to secure support for work on the basis of scientific work alone" (Smith and Karlesky, *The State of Academic Science*, 1978).

Many students find this situation intolerable. At Concordia University, students won a referendum last year banning all military research at that institution. A similar attempt at

McGill was unsuccessful, although supported by 1167 students, so the need for acceptable research guidelines still remains.

The arms race can be stopped at its most basic level if we students make our university free of research for military aggression. This means:

--The McGill University administration should issue a concrete statement regarding its military research policy.

--Ethics committees, following the guidelines of the Stockholm International Peace Research Institute, should be formed and given mandates to screen and review proposals for

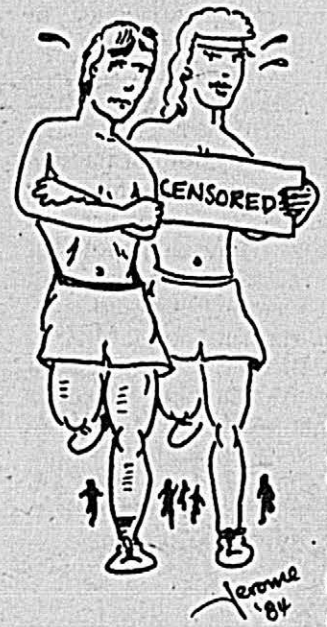
research at McGill.

--Military research must be banned.

Participate in a demonstration sponsored by Project Ploughshares today at 2:00 p.m. in front of the Administration Building to show your concern.

Let's keep McGill out of the arms race.

Topless McGill on top



Daily graphic by Jerome Fragan

by Todd Batt

The McGill Cross Country running team began its season on Saturday with an impressive showing; even though it was sans uniforms. The women captured first place in the team ranking outrunning Laval University and University of Quebec at Chicoutimi (UQAC). The men's team also put in a gutsy performance placing second behind Laval University and beating UQAC and Sherbrooke University.

The race took place in Québec City with Laval University hosting the invitational meet. The wide flat course was made marginally more difficult by two hay bale jumps. The women ran a 6 kilometer race with McGill's Karen Gordon finishing first overall in 23:35. The men ran a 8 kilometer distance in the cool sunny weather with McGill's Ian Dalling placing fifth overall in 26:59.

At the reception after the race, Coach Tom Silletta expressed his satisfaction with McGill's performance.

"I am very pleased with the team's effort; the results provided a good indication of the exciting season ahead."

Of special note of the day was the exceptional driving abilities of Coach Tom, who managed to hit no less than four centre medians on the three hour drive to Quebec. Anyone interested in training with the cross country team should meet on the Molson Stadium track at 4:30 Mon-Fri.

Copieville

2050 rue Mansfield (between De Maisonneuve & Sherbrooke)

BELIEVE IT OR NOT!

COPIES
AT
4¢

Tel: 842-4401

BOUND DOCUMENTS
EXTRA



STUDENT SAVINGS

THE ELECTRONIC COMPONENTS PEOPLE

DIGITAL CAPACITANCE METER <p>Accuracy: Basic accuracy 1% (± one count) on pF, nF ranges. 3% (± one count) on uF range. Range: 1 pF to 9,999 uF Display: Full 4 digit, high efficiency LED display. Decimal points light up when battery is low or when capacitance is overrange. Power: One 9V battery (not included). Warranty: One year, parts + labor. 690XX (IMC 100A)</p> <p>\$80⁹⁹</p>	SOLDERLESS BREADBOARD <p>1 Terminal Strip, Tie-point 840 2 Distribution Strips, 40001 (923252)</p> <p>\$20⁹⁵</p>	SOLDERLESS BREADBOARD <p>3 Terminal Strips, Tie-point 1890 5 Distribution Strips, Tie-point 500 4 Binding Posts 69052 (WBU-206)</p> <p>\$49⁴⁹</p>	DIGITAL CAPACITANCE METER (LCD) <p>• 3 1/2 digits • 0.1 pF to 2000 uF • Low battery indicator Includes: 2 test leads, spare fuse - 9V battery - instruction manual. 690XX (2200)</p> <p>103⁴⁵</p>																																																																		
10% DISCOUNT ON ALL BOOKS <p>OFFER EXPIRES OCTOBER 31, 1984 LIMIT 3 PER CUSTOMER, WITH COUPON</p>	MICRO PROBE-IT <p>Micro Probe-It facilitates testing on high-density boards. Its small hook contact provides positive connection to the most delicate leads. Comes in six colors, red, black, blue, green, yellow and white. 40065 (923848)</p> <p>\$8⁰⁹</p>	DIGITAL MULTIMETER <p>Handheld 7-function, 35 ranges with 200uA AC and DC. Hi-low ohms diode check. Built-in transistor test function. Tilt stand for bench use. 1 year parts-labor guarantee. 69613 (4060)</p> <p>\$89⁹⁵</p>	DELUXE PC MINI DRILL <p>Designed with P.C. board work in mind, but capable of handling metal and plastic chassis boxes too. Operates as a portable on 4 "AA" batteries (not included) at 2500 RPM with a well-geared motor for high torque. An external power jack permits use with a 9 or 12V DC power supply. A power cord and connector are included. Also included with the Drill are three collets that will accept bits up to .125", three popular bits, a grinding wheel, collet wrenches and a hinged plastic storage box. A drill stand is available separately. 76093 (12-107)</p> <p>\$26⁹⁹</p>																																																																		
DESOLDER PUMP <p>57077 (MAXI)</p> <p>\$12⁶⁰</p>	PRECISION KNIFE <p>Designed for light-duty cutting on paper, soft and lightweight materials or wood. 86269 (XN-100)</p> <p>\$1⁷⁹</p>	SOLDERING KIT <p>Kit includes: 25 watt SP23 soldering iron, 3 tips (screwdriver, chisel, cone), soldering aid tool and coil 60/40 rosin core solder. 110 volts. 86212 (SP23K)</p> <p>\$13⁵⁹</p>	ULTRASONIC TRANSDUCER <p>Transmits or receives 40 kHz ultrasonic waves. For remote controls, radios, TV's, appliances; also for remote switching such as door openers, remote signaling and ultrasonic intrusion protecting devices and alarms. Diagrams of practical circuits included. 76080 (J4-815)</p> <p>\$14³⁹</p>																																																																		
EPROM ERASER <p>Low cost EPROM Eraser designed in a plastic enclosure. The UV element and components are installed in the top lid and the EPROMs are placed in the bottom half. Erases as many as 8 EPROMs in 15-20 minutes, 90 day warranty. 69603 (QUV-T8/1)</p> <p>\$85⁵⁰</p>	DIP IC INSERTION TOOL WITH PIN STRAIGHTENER <p>Narrow profile permits tool to work on densely spaced patterns while unique insertion mechanism assures accuracy as well as excellent "feel". Additionally the tool includes a unique pin straightener built into the handle. 86077 (INS-1416)</p> <p>\$6⁴⁹</p>	FERRIC CHLORIDE ETCHANT <p>• Industrial Strength • 1 Litre 69012 (415-1L)</p> <p>\$5³⁵</p>	LIQUID TIN <p>• Tin Plates Copper Circuits in Minutes • 500 ML 69053 (421-500 ML)</p> <p>\$12⁰⁹</p>																																																																		
CPUs & PERIPHERALS <table border="1"> <thead> <tr> <th>Stock No.</th> <th>Description</th> <th>Price</th> </tr> </thead> <tbody> <tr> <td>41001</td> <td>Z80-CPU-PS</td> <td>\$ 6.49</td> </tr> <tr> <td>41002</td> <td>Z80A-CPU-PS</td> <td>\$ 7.29</td> </tr> <tr> <td>12001</td> <td>6502 PC</td> <td>\$ 9.10</td> </tr> <tr> <td>12005</td> <td>6522 PC</td> <td>\$ 8.89</td> </tr> <tr> <td>12017</td> <td>6821 PC</td> <td>\$ 4.39</td> </tr> <tr> <td>12021</td> <td>6850 PC</td> <td>\$ 5.60</td> </tr> <tr> <td>12053</td> <td>8088 DC</td> <td>\$36.90</td> </tr> </tbody> </table>	Stock No.	Description	Price	41001	Z80-CPU-PS	\$ 6.49	41002	Z80A-CPU-PS	\$ 7.29	12001	6502 PC	\$ 9.10	12005	6522 PC	\$ 8.89	12017	6821 PC	\$ 4.39	12021	6850 PC	\$ 5.60	12053	8088 DC	\$36.90	MEMORIES <table border="1"> <thead> <tr> <th>Stock No.</th> <th>Description</th> <th>Price</th> </tr> </thead> <tbody> <tr> <td>48002</td> <td>P2114-20</td> <td>\$ 6.80</td> </tr> <tr> <td>48003</td> <td>P2114-20L</td> <td>\$ 6.80</td> </tr> <tr> <td>48005</td> <td>P2016-15</td> <td>\$11.60</td> </tr> <tr> <td>48049</td> <td>PS101-45L</td> <td>\$ 7.20</td> </tr> <tr> <td>48050</td> <td>PS516-25L</td> <td>\$13.00</td> </tr> <tr> <td>48007</td> <td>PE116-15</td> <td>\$11.20</td> </tr> <tr> <td>48008</td> <td>PE116-15L</td> <td>\$12.80</td> </tr> <tr> <td>48014</td> <td>C2516-45</td> <td>\$ 7.40</td> </tr> <tr> <td>48021</td> <td>C2532-45</td> <td>\$ 8.79</td> </tr> <tr> <td>48016</td> <td>C2732A-30</td> <td>\$11.50</td> </tr> <tr> <td>48037</td> <td>P4116-15</td> <td>\$ 2.19</td> </tr> <tr> <td>48011</td> <td>P4164-15</td> <td>\$ 8.50</td> </tr> <tr> <td>48012</td> <td>P4164-20</td> <td>\$ 8.25</td> </tr> </tbody> </table>	Stock No.	Description	Price	48002	P2114-20	\$ 6.80	48003	P2114-20L	\$ 6.80	48005	P2016-15	\$11.60	48049	PS101-45L	\$ 7.20	48050	PS516-25L	\$13.00	48007	PE116-15	\$11.20	48008	PE116-15L	\$12.80	48014	C2516-45	\$ 7.40	48021	C2532-45	\$ 8.79	48016	C2732A-30	\$11.50	48037	P4116-15	\$ 2.19	48011	P4164-15	\$ 8.50	48012	P4164-20	\$ 8.25	I.C. EXTRACTOR <p>Economical tool features one piece spring steel construction. It will extract all LSI, MSI and SSI devices from 8 to 24 pins. 76068 (41-614)</p> <p>\$3⁴¹</p>	
Stock No.	Description	Price																																																																			
41001	Z80-CPU-PS	\$ 6.49																																																																			
41002	Z80A-CPU-PS	\$ 7.29																																																																			
12001	6502 PC	\$ 9.10																																																																			
12005	6522 PC	\$ 8.89																																																																			
12017	6821 PC	\$ 4.39																																																																			
12021	6850 PC	\$ 5.60																																																																			
12053	8088 DC	\$36.90																																																																			
Stock No.	Description	Price																																																																			
48002	P2114-20	\$ 6.80																																																																			
48003	P2114-20L	\$ 6.80																																																																			
48005	P2016-15	\$11.60																																																																			
48049	PS101-45L	\$ 7.20																																																																			
48050	PS516-25L	\$13.00																																																																			
48007	PE116-15	\$11.20																																																																			
48008	PE116-15L	\$12.80																																																																			
48014	C2516-45	\$ 7.40																																																																			
48021	C2532-45	\$ 8.79																																																																			
48016	C2732A-30	\$11.50																																																																			
48037	P4116-15	\$ 2.19																																																																			
48011	P4164-15	\$ 8.50																																																																			
48012	P4164-20	\$ 8.25																																																																			

5651 FERRIER ST.
MONTREAL, QUEBEC H4P 1N1 (514) 731-9441

STORE HOURS MONDAY WEDNESDAY 8:00 AM 6:00 PM
THURSDAY FRIDAY 8:00 AM 9:00 PM
SATURDAY 9:00 AM 5:00 PM

MAIL ORDER:
5651 FERRIER ST., MONTREAL, QUEBEC
H4P 1N1 (514) 731-7441
TOLL FREE: 1-800-361-5884